

# Bernard Gauthier-Manuel

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

372  
citations

933447

10  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

560  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | High performance miniature glucose/O <sub>2</sub> fuel cell based on porous silicon anion exchange membrane. <i>Electrochemistry Communications</i> , 2015, 54, 10-13.  | 4.7 | 15        |
| 2  | Roll manufacturing of flexible microfluidic devices in thin PMMA and COC foils by embossing and lamination. <i>Microsystem Technologies</i> , 2012, 18, 199-207.  | 2.0 | 18        |
| 3  | Microfluidic chips for the crystallization of biomacromolecules by counter-diffusion and on-chip crystal X-ray analysis. <i>Lab on A Chip</i> , 2009, 9, 1412.  | 6.0 | 102       |
| 4  | SIMS as a subnanometer probe: A new tool for chemical profile analysis of grafted molecules. <i>Applied Surface Science</i> , 2007, 253, 6140-6143.   | 6.1 | 6         |
| 5  | Recent developments in MEMS-based miniature fuel cells. <i>Microsystem Technologies</i> , 2007, 13, 1671-1678.  | 2.0 | 34        |
| 6  | Mesoporous silicon-based miniature fuel cells for nomadic and chip-scale systems. <i>Microsystem Technologies</i> , 2006, 12, 330-334.  | 2.0 | 18        |
| 7  | A new process for the manufacturing of reproducible mesoporous silicon membranes. <i>Journal of Membrane Science</i> , 2006, 280, 494-500.  | 8.2 | 29        |
| 8  | Development of porous silicon-based miniature fuel cells. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, S179-S184.  | 2.6 | 45        |
| 9  | Formation of Langmuir Layers and Surface Modification Using New Upper-Rim Fully Tethered Bipyridinyl or Bithiazolyl Cyclodextrins and Their Fluorescent Metal Complexes. <i>Langmuir</i> , 2004, 20, 5338-5346. | 3.5 | 9         |
| 10 | Covalent bond force profile and cleavage in a single polymer chain. <i>Journal of Chemical Physics</i> , 2000, 113, 2497-2503.  | 3.0 | 53        |
| 11 | Use of solid electrolytic erosion for generating nano-aperture near-field collectors. <i>Applied Physics Letters</i> , 1997, 71, 437-439.   | 3.3 | 16        |
| 12 | Adsorption and desorption of serum albumin on bare mica surfaces. <i>Colloids and Surfaces</i> , 1992, 68, 189-193.   | 0.9 | 27        |
| 13 | Transition de phase dans les ammoniacates de perchlorate de lithium. <i>Materials Research Bulletin</i> , 1991, 26, 535-544.  | 5.2 | 0         |